

ABSTRACT

An improved image sensor wherein a first micro-lens array comprised of one or more micro-lenses is positioned over a cavity such that incoming light is focused on the photo sensors of the image sensor. The first micro-lens array may collimate and focus incoming light onto the photo sensors of the image sensor, or may collimate incoming light and direct it to a second micro-lens array which then focuses the light onto the photo sensors. A method of fabricating the improved image sensor is also provided wherein the cavity and first micro-lens array are formed by use of a sacrificial material.